PTO/SB/05 (06-03)
Approved for use through 07/31/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY		Attorney Docket No.   466992001100  First Inventor   Chong-Sheng YUAN							
PATENT APPLICATION	7 #31 #								
TRANSMITTAL	Title	DETERMINATION OF IONS USING ION- SENSITIVE ENZYMES  SS Mail Label No. EL961005567US							
(Only for new nonprovisional applications under 37 CFR 1.53(b))	Expre	ss Mail Label No. EL961005567US							
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application con	ntents.	MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450							
1. X Fee Transmittal Form (e.g., PTO/SB/17) (2 pages)		7 CD-ROM or CD-R in duplicate, large table or							
(Submit an original, and a duplicate for fee processing) Applicant claims small entity status.		Computer Program (Appendix)  Nucleotide and/or Amino Acid Sequence Submission							
See 37 CFR 1.27.  3. X Specification [Total Pages] 46	3 1	(if applicable, all necessary) a. Computer Readable Form (CRF)							
(preferred arrangement set forth below)	, ,	b. Specification Sequence Listing on:							
<ul> <li>Descriptive title of the invention</li> <li>Cross Reference to Related Applications</li> </ul>		i. CD-ROM or CD-R (2 copies); or ii. Paper							
<ul> <li>Statement Regarding Fed sponsored R &amp; D</li> <li>Reference to sequence listing, a table,</li> </ul>		c. Statements verifying identity of above copies							
or a computer program listing appendix  - Background of the Invention	,	ACCOMPANYING APPLICATIONS PARTS							
<ul> <li>Brief Summary of the Invention</li> <li>Brief Description of the Drawings (if filed)</li> <li>Detailled Description</li> </ul>		Assignment Papers (cover sheet & document(s))							
- Detailed Description - Claim(s) - Abstract of the Disclosure		10. 37 CFR 3.73(b) Statement Power of Attorney							
4. X Drawing(s) (35 U.S.C. 113) [Total Sheets	2 1	11. English Translation Document (if applicable)							
5. Oath or Declaration [Total Sheets	]	12. Information Disclosure Copies of IDS Citations							
a. Newly executed (original or copy)		13. Preliminary Amendment							
b. Copy from a prior application (37 CFR 1.63(d))  (for continuation/divisional with Box 18 completed)		14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)							
i. DELETION OF INVENTOR(S)		15. Certified Copy of Priority Document(s)  (if foreign priority is claimed)							
Signed statement attached deleting inventor(s) named in the prior application,		Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).							
see 37 CFR 1.63(d)(2) and 1.33(b).		Applicant must attach form PTO/SB/35 or its equivalent.  17. Other:							
6. X Application Data Sheet. See 37 CFR 1.76 (2 pages)		III.							
	and supp	ly the requisite information below and in the first sentence of the specification							
following the title, or in an Application Data Sheet under 37 CFF	R 1.76:								
	-in-part (t								
Prior application information: Examiner Art Unit:  For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under									
Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.  The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.									
19. COR	RESPO	NDENCE ADDRESS							
X Customer Number:	2	25225 OR Correspondence address below							
Name									
Address									
City Sta. Country Tele	te ephone	Zip Code     Fax							
	e priorie								
Name (Print/Type) Laurie L. Hill	<del>-1./-/</del> /								
Signature Xumu C	M	Date September 19, 2003							
I hereby certify that this correspondence is being deposite	ed with th	he U.S. Postal Service as Express Mail, Airbill No. EL961005567US,							
in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.									
Dated: <u>9-19-03</u> Signature:	_	(Michael Boyd)							
Dated: / / - Signature:(Michael Boyd)									

PTO/SB/17 (05-03)

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		Complete if Known							
FEE TRANSMITTAL	Application Number				er N	Not Yet Assigned			
for FY 2003	Ī	Filing Date			C	Concurrently Herewith			
	ľ	First Named Inventor			ntor C	Chong-Sheng YUAN			
Effective 01/01/2003, Patent fees are subject to annual revision.		Examiner Name				Not Yet Assigned			
Applicant claims small entity status. See 37 CFR 1.27	ľ	Art Unit				Not Yet Assigned			
TOTAL AMOUNT OF PAYMENT (\$) 2,022.00		Attorney Docket No.				466992001100			
		FEE CALCULATION (continued)							
METHOD OF PAYMENT (check all that apply)  Credit Money Ober Nore								-	
Check Card Order Other None	3. ADDITIONAL FEES								
X Deposit Account		<b>5</b> -4'4	0	F4/4					
Deposit Account 03-1952	Fee	Entity	Fee	Entity	-				
Number	Code	(\$)	Code	(\$)		Fee Desc	ription	Fee Paid	
Deposit Account Morrison & Foerster LLP	1051	130	2051	65	Surcharge -	late filing fe	e or oath		
Name	1052	50	2052	25	Surcharge -	late provisio			
The Director is hereby authorized to: (check all that apply)			4050	400	sheet.			<del></del>	
X Charge fee(s) Indicated below X Credit any overpayments	1053	130	1053	130	Non-English			<b>└</b> ─┤	
X Charge any additional fee(s) during the pendency of this application	1812	2,520	1812	2,520	•		arte reexamination		
Charge fee(s) indicated below, except for the filing fee	1804	920*	1804	920*	Requesting p Examiner act	tion	·		
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting p	oublication o			
FEE CALCULATION	1251	110	2251	55	Extension for		first month		
1. BASIC FILING FEE	1252	410	2252	205	Extension for	reply within	second month		
Large Entity Small Entity	1253	930	2253	465	Extension for	reply within	third month		
Fee Fee Fee Fee Fee Description Fee Paid  Code (\$) Code (\$)	1254	1,450	2254	725	Extension for	r reply withir	fourth month		
1001 750 2001 375 Utility filing fee 750.00	1255	1,970	2255	985	Extension for	reply within	i fifth month		
1002 330 2002 165 Design filing fee	1401	320	2401	160	Notice of App				
1003 520 2003 260 Plant filing fee	1402	320	2402	160	Filing a brief in support of an appeal				
1004 750 2004 375 Reissue filing fee	1403	280	2403	140	Request for oral hearing				
1005 160 2005 80 Provisional filing fee	1451	1,510	1451				lic use proceeding		
SUBTOTAL (1) (\$) 750.00	1452	110 1,300	2452 2453	55 650	Petition to re			$\vdash$	
	1453 1501	1,300	2501	650	Utility issue for		_		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE  Extra Fee from	1502	470	2502	235	Design issue	•	ie,		
Claims below Fee Paid			2502	315	Plant issue fe				
Total Claims 72 -20** = 52 x 18.00 = 936.00 Independent 7 2** = 4 x 84.00 = 236.00	1503 1460	630 130	1460	130	Petitions to the Commissioner				
Claims 7 -3 - 4 x 84.00 - 330.00					Processing fee under 37 CFR 1.17(q)				
Multiple Dependent	1807	50	1807	50			_		
Large Entity Small Entity	1806	180	1806	180			n Disclosure Stmt ssignment per		
Fee Fee Fee Code (\$) Fee Description	8021	40	8021	40	property (tim	es number d	of properties)	<u> </u>	
1202 18 2202 9 Claims in excess of 20	1809	750	2809	375		Filing a submission after final rejection (37 CFR 1.129(a))			
1201 84 2201 42 Independent claims in excess of 3 1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375	For each additional invention to be				
1204 84 2204 42 ** Reissue independent claims	1801	750	2801	375	examined (37CFR 1.129(b)) Request for Continued Examination (RCE)				
over original patent	1802	900	1802	900	Request for	expedited ex	• •		
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent		of a design			of a design a	n application			
	Other fee (specify)  *Reduced by Basic Filing Fee Paid  SUBTOTAL (3) (\$)						0.00		
SUBTOTAL (2) (\$) 1,272.00 *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.									
SUBMITTED BY Complete (if applicable)									
Name (Print/Type) Laurie L/ Hill	Registration No. (Attorney/Agent) 51,804 Telephone (858) 720-7								
- Hall (record) regard							` '		
Signature September 19, 20								2003	